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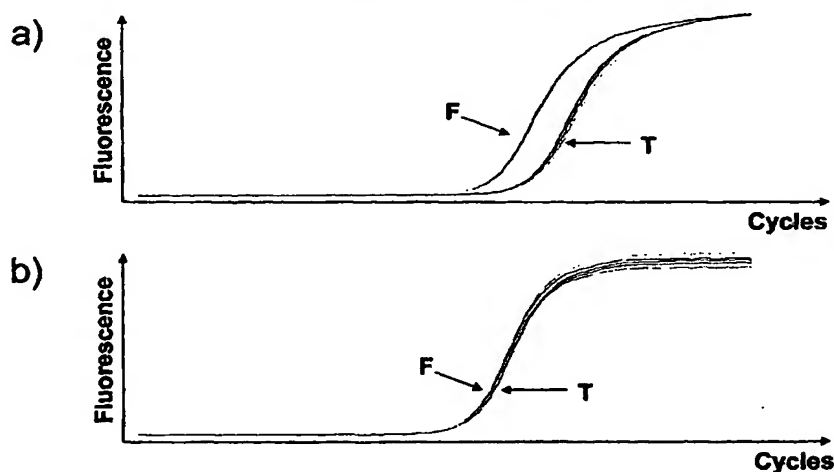
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(54) Title: CAMP-REGULATED PHOSPHOPROTEIN FOR DIAGNOSTIC AND THERAPEUTIC USE IN NEURODEGENER-
ATIVE DISEASES**Fig. 2: Verification of differential expression of
human TARPP by quantitative RT-PCR**

(57) Abstract: The present invention discloses a novel nucleic acid molecule encoding hTARPP. Further, the present invention discloses the differential expression of hTARPP in specific brain regions of Alzheimer's disease patients. Based on this finding, this invention provides a method for diagnosing or prognosticating a neurodegenerative disease, in particular Alzheimer's disease, or for determining whether a subject is at increased risk of developing such a disease. Furthermore, this invention provides therapeutic and prophylactic methods for treating or preventing Alzheimer's disease and related neurodegenerative disorders using the gene coding for hTARPP. A method of screening for modulating agents of neurodegenerative diseases is also disclosed.

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